

JINGYEONG JO Ph.D. Candidate at Korea Advanced Institute of Science and Technology

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Address. 85, Hoegi-ro, Dongdaemun-gu, Seoul, Korea

Education

Korea Advanced Institute of Science and Technology(KAIST) – Daejeon, Korea

Ph.D. in Artificial Intelligence

Mar 2021 – present

Area: Natural Language Processing

Advisor: Minjoon Seo

Korea Advanced Institute of Science and Technology(KAIST) – Daejeon, Korea

M.S. in Mathematical Science

Aug 2015 – Aug 2017

Area: Mathematical Statistics

Advisor: Sungho Kim

Korea Advanced Institute of Science and Technology(KAIST) – Daejeon, Korea

B.S. in Mathematical Science

Feb 2011 – Feb 2015

Gwangju Science High School – Gwangju, Korea

Mar 2009 – Feb 2011

Career Experiences

Korea Development Institute(KDI) – Sejong, Korea

Senior Research Associate, Data Analysis Unit

Jan 2021 – Feb 2021

Korea Development Institute(KDI) – Sejong, Korea

Research Associate, Data Analysis Unit

Jul 2017 – Dec 2020

Korea Advanced Institute of Science and Technology(KAIST) – Daejeon, Korea

Teaching Assistant of Professors

Sep 2015 – Jul 2017

National Institute for Mathematical Sciences(NIMS) – Daejeon, Korea

Internship, Data Numerical Analysis Unit

Jul 2013 – Aug 2013

Publications

Journal Publications

Seungone Kim, Juyoung Suk, Jiyong Cho, Shayne Longpre, Chaeun Kim, Dongkeun Yoon, Guijin Son, Yejin Cho, Sheikh Shafayat, Jinheon Back, Suehyun Park, Hyeonbin Hwang, **Jinkyung Jo**, Hyowon Cho, Haebin Shin, Seongyun Lee, Hanseok Oh, Noah Lee, Namgyu Ho, SeJune Joo, Miyoung Ko, Yoonjoo Lee, Hyungjoo Chae, Jamin Shin, Joel Jang, Seonghyeon Ye, Bill Yuchen Lin, Sean Welleck, Graham Neubig, Moontae Lee, Kyungjae Lee, and Minjoon Seo. “The BIGGEN BENCH: A Principled Benchmark for Fine-grained Evaluation of Language Models with Language Models”, *The 2025 Annual Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics*, 2025.

Jinkyung Jo, Dayeon Ki, Soyoung Yoon, and Minjoon Seo. “An Integrated Search System for Korea Weather Data”, *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing: Industry Track*, 2023.

Geunghye Lee, Joohee Cho, and **Jingyeong Jo**. “New Economic Policy Uncertainty Indexes for South Korea”, *The Korean Journal of Applied Statistics*, 2020.

Sungho Lee and **Jingyeong Jo**. “Government R&D Support for SMEs: Policy Effects and Improvement Measures”, *KDI Journal of Economic Policy*, 2018.

Government Research Reports

“Meta-analysis for the National Fiscal Management Plan”, Ministry of Economy and Finance, 2021. (In Korean)

“Vision and strategy of innovation growth: policy, institution, and social foundation”, National Research Council for Economics, Humanities and Social Sciences, 2020. (In Korean)

“A study for the service industry to create jobs and innovation”, Ministry of Economy and Finance, 2017. (In Korean)

“A study for establishing a road map for the development of national statistics”, Korea National Statistical Office, 2017. (In Korean)

Projects

Development of AI Language Model Services Based on Manufacturing Data

Manufacturing-Specific Language and Multimodal Models

Manufacturing Innovation Unit, Samsung Electronics Global Technology Research

Ph.D. Program, Korea Advanced Institute of Science and Technology(KAIST) 2024 – present

Development of AI-based Forecasting Support Solution

Text-based Weather AI Search Engine and Weather Chatbot

Artificial Intelligence Weather Research Division, National Institute of Meteorological Science(NIMS)

Ph.D. Program, Korea Advanced Institute of Science and Technology(KAIST) 2022 – 2024

Visualization of Integrated Economic Indicators through Classification

<https://eiec.kdi.re.kr/bigdata/indicators.do>

Data Analysis Unit, Korea Development Institute(KDI) 2020

e-Economic Information Review: Social Big Data Analysis

<https://eiec.kdi.re.kr/bigdata/topicAnalysis.do>

Data Analysis Unit, Korea Development Institute(KDI) 2019 – 2020

Development of the Korean Economic Policy Uncertainty Indexes

<https://eiec.kdi.re.kr/bigdata/index.do>

Data Analysis Unit, Korea Development Institute(KDI) 2018 – 2020

Invited Talks

2024 Public, Academic, and Military Meteorological Technology Exchange Workshop

Daejeon Regional Meteorological Administration, Korea.

Oct 2024

2023 Public, Academic, and Military Meteorological Technology Exchange Workshop

Skills

Computer Skills

Python, R programming, STATA, SAS, Tableau, MS Office

Language Skills

Native Korean, Intermediate High in English, Intermediate in Chinese